

STATUS OF AMENDED CLAIMS.

1. (twice amended) A wet-friction, composite material suitable for use as a coupling in applications selected from the class consisting of wet transmission couplings, automatic lockers, limited slip differentials, smart clutches, synchronizers, brakes and the like, [comprising] consisting of: a carbon or graphite fabric formed from a woven, continuous, untwisted filament yarn, and impregnated with modified cyanate ester[s] resins or oligomers thereof which are subsequently cured, the yarn being manufactured and constructed as a surface bonding for use on the coupling.
2. (not amended) The composite material of Claim 1, in which the modified, cured cyanate ester resin weight in the fabric is at least 10% by weight of the cured resin based on the combined weight of fabric and cured resin.
3. (not amended) The composite material of Claim 1, in which the modified cyanate ester resin in the fabric is about 10% - 50% by weight of the cured resin based on the combined weight of fabric and cured resin.
4. (not amended) The composite material of Claim 1, in which the modified cyanate ester resin in the fabric is about 10% - 35% by weight of the cured resin based on the combined weight of fabric and cured resin.
5. (not amended) The composite material of Claim 1, in which the modified cyanate ester resin weight in the fabric is about 10% - 25% by weight of the cured resin based on the combined weight of fabric and cured resin.

6. (not amended) The composite material of Claim 1, in which the modified cyanate ester resin in the fabric is about 10% - 18% by weight of the cured resin based on the combined weight of fabric and cured resin.

7. (not amended) The composite material of Claim 1, in which the modified cyanate ester resin in the fabric is about 12% - 17% by weight of the cured resin based on the combined weight of fabric and cured resin.

8. (not amended) The composite material of Claim 1, in which the modified cyanate ester resin in the fabric is about 40% - 50% by weight of the cured resin based on the combined weight of fabric and cured resin.

9. (not amended) The composite material of Claim 1, provided as a supplied product including an adhesive coating for applying to a metal surface, an adhesive film for application to a metal surface, or a cured fabric without an adhesive coating.

10. (not amended) The composite material of Claim 1, in which the fabric is formed as a continuous spiral, cut to size and bonded to the transmission in one piece.

11. cancelled.

12. (not amended) The composite material of Claim 1,, in which the fabric weave is a plain weave.

13. (not amended) The composite material of Claim 1, in which the fabric weave includes: braided, 5 and 8 harness satin,, basket, twill and, crowfoot satin.

14. (not amended) The composite material of Claim 1, formed from a prepreg in which the modified cyanate ester resin or oligomer is selected from the class consisting of: polycyanate ester modified with silicone elastomer, polycyanate ester modified with epoxy resin, polycyanate ester modified with polyetherimide, polycyanate ester modified with polyphenoxy resin, polycyanate ester modified with polysulfone or polyether sulfone resins, polycyanate ester modified with polyimide resins, polycyanate ester modified with polycarbonate resins, polycyanate ester modified with diglycidyl ether of novolac resins, and polycyanate ester modified with cresol novolac resins.

15. (cancelled) A wet friction material for transmission couplings, comprising a modified cyanate ester cured fabric formed from a braided fabric from continuous, untwisted filament yarn.

16. (cancelled) The transmission coupling of Claim 15, in which the modified cyanate ester resin content in the fabric as cured is about 10% - 18% by weight of the cured resin based on the combined weight of fabric and cured resin.

17. (not amended) The transmission coupling of Claim 12, in which the modified cyanate ester resin content in the fabric as cured is about 12% - 17% of the cured resin based on the combined weight of fabric and cured resin.

18. (not amended) The composite material of Claim 1, comprising a yarn end count of 1,000 - 24,000 continuous filaments.

19. (not amended) The composite material of Claim 1, comprising a yarn end count of about 3,000 - 12000 continuous filaments.

20. (not amended) The composite material of Claim 1, comprising a cured material thickness of about 0.015 - 0.080 inches.

21. (not amended) The composite material of Claim 1, comprising a cured material thickness of about 0.024 - 0.028 inches.

22. (not amended) The composite material of Claim 1, comprising a cured material thickness of about 0.024 - 0.080 inches, and an end count of about 6,000 - 12,000 continuous filaments.

23. (not amended) The composite material of Claim 1, comprising a cured material thickness of about 0.024 - 0.028 inches, and an end count of about 6,000 - 12,000 continuous filaments.

24. (not amended) The composite material of Claim 1, in which the modified, cyanate ester resin or oligomer is cured.

25. (not amended) The composite material of Claim 1, comprising at least two layers of material adhesively bonded together.

26. (twice amended) A method of forming a composite suitable for use as a wet friction material coupling in applications selected from the class consisting of transmission couplings, automatic lockers, limited slip differentials, smart clutches, synchronizers, brakes and the like, consisting of: impregnating a [plain] woven fabric with a modified cyanate ester resin or oligomers thereof, the fabric being formed from a continuous, untwisted carbon or graphite filament yarn having about an end count of 3,000 - 12,000, the modified cyanate ester resin or oligomer as cured in the fabric being about 10% - 50% based on the weight of the fabric and cured resin, and the composite thickness being about 0.015 - 0.080 inches [.] , the yarn being manufactured and constructed as a surface bonding for use on the coupling.

27. (once amended) The composite material of Claim [11] 1, comprising a cured material thickness of about 0.015 - 0.018 inches, and an end count of 1,000 - 24,000 continuous filaments.

28. (once amended) The composite material of Claim [11] 1, comprising a cured material thickness of about 0.015 - 080 inches; an end count of about 1,000 - 24,000 continuous filaments; and, about 10% - 50% by weight of the modified cyanate ester resin or oligomers thereof as cured in the fabric.